

**BOARD OF WATER SUPPLY
KA 'OIHANA WAI
CITY AND COUNTY OF HONOLULU**

630 SOUTH BERETANIA STREET • HONOLULU, HAWAII 96843
Phone: (808) 748-5000 • www.boardofwatersupply.com

RICK BLANGIARDI
MAYOR
MEIA

ERNEST Y. W. LAU, P.E.
MANAGER AND CHIEF ENGINEER
MANAKIA A ME KAHU WILIKI

ERWIN KAWATA
DEPUTY MANAGER
HOPE MANAKIA



NA'ALEHU ANTHONY, Chair
KAPUA SPR OAT, Vice Chair
BRYAN P. ANDAYA
MAX J. SWORD
JONATHAN KANESHIRO
EDWIN H. SNIFFEN, Ex-Officio
GENE C. ALBANO P.E., Ex-Officio

September 19, 2023

NOTICE

The Board of Water Supply, City and County of Honolulu, Regular Meeting will be held on Monday, September 25, 2023, at 2:00 p.m. in the Boardroom, Public Service Building, 630 South Beretania Street, Honolulu, HI 96843.

Limited seating will be available for in-person testifiers in the Boardroom. The public may also view the livestream of the meeting from the lobby of the Board of Water Supply, Public Service Building, 630 S. Beretania St., Honolulu, HI 96843.

TESTIMONY

Testimony may be submitted as follows:

- **Written testimony** should include the submitter's address, email address, and phone number. Testimony should be received by Monday, September 25, 2023, at noon. Submit written testimony by:
 - Email to board@hbws.org
 - Online at boardofwatersupply.com/testimony
 - Mail to Board of Water Supply, 630 S. Beretania St., Honolulu, HI 96843
 - Fax to (808) 748-5079
- **Oral testimony** will be accepted remotely and in person during the meeting. Pre-registration is encouraged to facilitate as much remote and in-person testimony as reasonably possible during the time allotted. Testifiers should also consider submitting a written version of their oral testimony.
 - To testify remotely by phone or video using the Zoom videoconferencing platform, please submit your request by:
 - Email to board@hbws.org
 - Online at boardofwatersupply.com/testimonyZoom registration instructions, as well as participant guidelines, will be sent to the contact information provided. Once confirmed as registered, testifiers will receive an email containing the links and instructions to join the Zoom session. Submit your request to testify remotely by Friday, September 22, 2023, at noon.
 - To testify in person at the Board of Water Supply, Public Service Building, 630 S. Beretania St., Honolulu, HI 96843, please pre-register by submitting your request by Monday, September 25, 2023:
 - Email to board@hbws.org
 - Online at boardofwatersupply.com/testimony

In-person testifiers should check-in with building security and then with testimony staff located in the lobby. Testifiers will be escorted to and from the Board Room. On-site registration will be available for walk-in requests.

Testimony is limited to two (2) minutes and shall be presented by the registered speaker only. Testimony submitted in writing or orally, electronically or in person, for use in the meeting process is public information. All testimony will be included as part of the approved meeting minutes at boardofwatersupply.com/boardmeetings.

MATERIALS AVAILABLE FOR INSPECTION

Meeting materials (“board packet” under HRS Section 92-7.5) are accessible at www.boardofwatersupply.com/boardmeetings.

VIEWING THE MEETING

The meeting will be viewable via live streaming on the BWS website: www.boardofwatersupply.com/live. Video will appear on screen. You may have to click the arrow on video to start it. You may have to unmute audio as muted audio tends to be the default setting.

SPECIAL REQUESTS AND ACCOMMODATIONS

If you require special assistance, an auxiliary aid or service, and/or an accommodation due to a disability to participate in this meeting (i.e., sign language interpreter, interpreter for language other than English, or wheelchair accessibility), please call Joy at (808) 748-5172 or email your request to board@hbws.org **at least three business days prior to the meeting date**. If a response is received after the requested three business days before the meeting date deadline, we will try to obtain the auxiliary aid/service or accommodation, but we cannot guarantee that the request will be filled.

Upon request, this notice is available in alternate formats such as large print, Braille, or electronic copy.

The agenda for September 25, 2023, Regular Meeting of the Board of Water Supply is as follows:

ITEMS REQUIRING BOARD ACTION

1. Approval of the Minutes of the Public Hearing and Regular Meeting Held on August 28, 2023
2. Adoption of Resolution No. 975, 2023, Resolution of Appreciation for Board Member Max J. Sword

ITEMS FOR INFORMATION

1. Update on the Board of Water Supply's Response to the Potential Impacts of the Red Hill Fuel Contamination
2. Draft Board of Water Supply Report to the Board by the HRS §92-2.5(b) Permitted Interaction Group on the Role of the Board in the Water Rate Study Process
3. Invitation to Imagine a Day Without Water Event on October 21, 2023
4. Status Update of Groundwater Levels at All Index Stations
5. Water Main Repair Report for August 2023

EXECUTIVE SESSION

1. Approval of the Minutes of the Executive Session Meeting Held on June 26, 2023
2. To Consult with the Board's Attorney on Questions and Issues Pertaining to the Board's Powers, Duties, Privileges, Immunities, and Liabilities Pertaining to Claims Against the Navy Related to Matters Concerning the Red Hill Bulk Fuel Storage Facility [HRS §92-5(a)(4)]
3. To Consult with the Board's Attorney on Questions and Issues Pertaining to the Board of Water Supply's Proposed Settlement of a Case Against the Board of Water Supply Entitled Scot Paiva vs. Board of Water Supply et.al., Civil No. 18-1-1535-09 (BIA) [HRS §92-5(a)(4)]

MINUTES

To watch the recording of this meeting, please click on the following link:
<https://vimeo.com/bwshonolulu/sep-25-2023>. Closed captioning is available.

THE REGULAR MEETING OF THE BOARD OF WATER SUPPLY

September 25, 2023

At 2:02 PM on September 25, 2023, in the Public Service Building Board Room at 630 South Beretania Street, Honolulu, Hawaii, Board Chair Na'alehu Anthony called to order the Regular Meeting.

Present: Na'alehu Anthony, Chair
Kapua Sproat, Vice Chair via Zoom
Max J. Sword, Board Member
Bryan P. Andaya, Board Member via Zoom
Jonathan Kaneshiro, Board Member
Gene C. Albano, Ex-Officio, via Zoom

Also Present: Ernest Lau, Manager and Chief Engineer
Erwin Kawata, Deputy Manager
Jadine Urasaki, Acting Program Administrator,
Capital Projects Division
Kathleen Elliott-Pahinui, Information Officer,
Communications Office
Raelynn Nakabayashi, Executive Assistant I,
Executive Support Office
Jason Nikaido, Program Administrator,
Field Operations Division
Joseph Cooper, Waterworks Controller,
Finance Division
Michele Thomas, Executive Assistant I,
Human Resources Office
via Vimeo
Teriann Akana, Human Resources Specialist VI,
Human Resources Office
via Vimeo
Ronald Wada, Assistant Program Administrator,
Information Technology Division
Michael Matsuo, Land Administrator, Land Division
Roland Fenstermacher,
Acting Program Administrator,
Water Quality Division
Barry Usagawa, Program Administrator,
Water Resources Division
Kevin Ihu, Program Administrator,
Water System Operations Division

Joyce Lin, Civil Engineer IV,
Office of the Manager and
Chief Engineer
Arthur Aiu, Community Relations Specialist II,
Communications Office

Kathy Mitchell, Administrative Services Officer
via Vimeo
Kimberly Kuwaye, Manager Secretary
Joy Cruz-Achiu, Board Secretary
Steven Norstrom, Information Specialist II,
Communications Office
Stella Bernardo, Information Specialist II,
Communications Office via Zoom
Michele Harman, Community Relations Specialist I,
Communications Office via Zoom
Wayne Maria, Information Specialist II,
Communications Office
Ella Foley Gannon, Esq.,
Morgan, Lewis, and Bockius, LLP
David Brown, Esq.,
Morgan, Lewis, and Bockius, LLP
Leighton Hara, Esq., Ota & Hara Attorneys at Law,
A Limited Liability Law Company
via Zoom

Others Present: Jeff Lau, Deputy Corporation Counsel
via Zoom
Jessica Wong, Deputy Corporation Counsel
via Zoom

Absent: Edwin H. Sniffen, Ex-Officio
Jennifer Elflein, Program Administrator,
Customer Care Division

Chair Na'alehu Anthony opened the Board meeting with an 'ōlelo no'eau:

Aloha mai kākou e nā hoa makamaka mai ka lā hiki a ka lā kau. Welina nui me ke aloha!

Mahalo nui no kēia 'ākoakoa 'ana o kākou no ka pono o ka lāhui, no ka pono o ka 'āina, a no ka pono o ka wai nō ho'i. Eia he 'ōlelo no'eau e kālele ana i ke ko'iko'i o ka wai.

Chair Anthony translated the 2903 'ōlelo no'eau as Wai apu lau ki—water in a ti-leaf cup. When one goes up mauka and needs a cup to dip water from the stream or spring, they only need to fold a ti leaf to form a dipper.

Chair Anthony stated that it is a pleasant reminder that our ancestors had abundant water and that it was all safe to drink.

Chair Anthony welcomed everyone to the September 25, 2023, Regular Meeting of the Board of Water Supply (BWS). He stated that the Board of Water Supply is dedicated to providing safe, dependable, and affordable supply of water now and into the future.

Before continuing the meeting, Chair Anthony stated that a recording would play to share reminders for public participation and virtual meeting regulations required by law.

The recording played: The meeting materials under HRS section 92, 7.5 are accessible at www.boardofwatersupply.com/boardmeeting. The public may attend this meeting in person at the Public Service building located at 630 South Beretania Street. The public may also view a live stream of today's meeting on our website at www.boardofwatersupply.com/live. We have been accepting written or oral testimony for today's meeting. Instructions and an online submittal form are available at boardofwatersupply.com/testimony. The deadline to submit advance written testimony has passed. Testimony received by noon today has been distributed to the board members. We will continue to accept written testimony today through our online form. Oral testimony in person or remotely will be accepted during today's meeting. To facilitate as much in-person and remote testimony as reasonably possible during the time allotted, preregistration and submittal of a written version of testimony at boardofwatersupply.com/testimony is strongly encouraged. To testify in person, please register using our online form or come to the public service building at 630 South Beretania Street. We have a representative in the lobby to provide intake and further instructions. To request to testify remotely, please complete the online form at boardofwatersupply.com/testimony. Requestors will receive an email containing links and instructions to join the Zoom session. Testifiers will have two minutes to state their position. A timekeeper will alert testifiers when there is one minute remaining. Once the two minutes are up, please summarize to allow time for questions from the board. Then, make room for the next testifier. Board members attending any board meeting remotely must be visible to the public to be considered, present, and meet quorum guidelines. Board members participating remotely must also disclose their location and anyone present at their location during roll call—meeting participants who are calling or video conferencing in. Please mute your microphone when you're not speaking. If you have a question, comment, or wish to enter or second a motion on an action item, please unmute your microphone and identify yourself before continuing to speak. If you encounter technical issues during today's meeting, please use the Zoom chat to send a direct message to our support team. Their names are listed in the message to all participants. To open the chat window, please click the text Bubble icon on the Zoom Toolbar.

Chair Anthony requested a roll call for the Regular Meeting. He asked those participating remotely to give the appropriate disclosures upon responding.

Vice Chair Kapua Sproat joined via Zoom, responded aye, and disclosed that she was alone at her location; Board Member Bryan Andaya joined via Zoom, responded aye, and disclosed that he was alone at his location; Board Member Max Sword responded aye and was present in the Board room; Board Member Jonathan Kaneshiro responded aye and was present in the Board room; and Board Member Gene Albano joined via Zoom, responded aye, and disclosed that he was alone at his location. Chair Nā'ālehu Anthony was present in the Boardroom. Board Member Edwin Sniffen was absent.

Chair Anthony introduced those in the Boardroom: Manager Ernest Lau, Deputy Manager Erwin Kawata, Board Secretary Joy L. Cruz-Achiu, Manager Secretary Kimberly Kuwaye, and Information Specialists II Steven Norstrom and Wayne Maria. Deputy Jeff Lau and Deputy Jessica Wong joined via Zoom from the City and County Corporation Counsel.

REGULAR MEETING

APPROVAL OF MINUTES

Approval of the Minutes of the Public Hearing and Regular Meeting Held on August 28, 2023.

MOTION TO APPROVE

Max Sword and Gene Albano motioned and seconded, respectively, to approve the Minutes of the Public Hearing and Regular Meeting Held on August 28, 2023.

Ms. Cruz-Achiu conducted a roll call Board Member Bryan Andaya, Aye; Board Member Max Sword, Aye; Board Member Jonathan Kaneshiro; Aye; Board Member Gene Albano, Aye; and Chair Na’alehu Anthony, Aye. Vice Chair Kapua Sproat and Board Member Jonathan Kaneshiro abstained. Board Member Edwin Sniffen was absent.

THE MINUTES OF THE PUBLIC HEARING AND REGULAR MEETING HELD ON AUGUST 28, 2023, WAS APPROVED AT THE SEPTEMBER 25, 2023, BOARD MEETING			
	AYE	NO	COMMENT
NĀ’ĀLEHU ANTHONY	X		
KAPUA SPROAT			ABSTAIN
BRYAN P. ANDAYA	X		
MAX J. SWORD	X		
JONATHAN KANESHIRO			ABSTAIN
EDWIN H. SNIFFEN			ABSENT
GENE C. ALBANO	X		

“September 25, 2023

ADOPTION OF
RESOLUTION NO.
975, 2023,
RESOLUTION OF
APPRECIATION
FOR BOARD
MEMBER
MAX J. SWORD

Chair and Members
Board of Water Supply
City and County of Honolulu
Honolulu, Hawaii 96843

Chair and Members:

Subject: Adoption of Resolution No.975, 2023,
Resolution of Appreciation for Board Member
Max J. Sword

Board member Max J. Sword has notified this Board of Directors that he will be resigning on September 26, 2023 from his position as a director.

We recommend the adoption of Resolution No. 975, 2023, to recognize and thank Mr. Sword for his service, contributions, and dedication to the Board of Water Supply.

Respectfully Submitted,

/s/ ERNEST Y. W. LAU, P.E
Manager and Chief Engineer

Attachment”

DISCUSSION:

Nā’ālehu Anthony, Chair, and Ernest Lau, Manager and Chief Engineer, gave the report.

Manager Ernest Lau, Chair Anthony, and Vice Chair Kapua Sproat expressed their gratitude and appreciation to Board Member Max Sword for his service.

MOTION
TO APPROVE

Jonathan Kaneshiro and Kapua Sproat motioned and seconded, respectively, to approve the Adoption of Resolution No. 975, 2023, Resolution of Appreciation for Board Member Max J. Sword.

Ms. Cruz-Achiu conducted a roll call vote: Vice Chair Kapua Sproat, Aye; Board Member Bryan Andaya, Aye; Board Member Max Sword, Aye; Board Member Jonathan Kaneshiro; Aye; Board Member Gene Albano, Aye; and Chair Na’alehu Anthony, Aye. Board Member Edwin Sniffen was absent.

Ms. Cruz-Achiu announced that the motion passed with six ayes.



**BOARD OF WATER SUPPLY
CITY AND COUNTY OF HONOLULU**

RESOLUTION NO. 975, 2023

**MAX J. SWORD
IN APPRECIATION FOR SERVING AS A MEMBER
OF THE BOARD OF WATER SUPPLY**

WHEREAS, MAX J. SWORD has ably served as an at-large member of the Board of Water Supply, City and County of Honolulu, since October 2018, and he has recently notified the Board of his resignation; and

WHEREAS, as the owner of Max J. Sword & Associates, LLC, a firm specializing in government and community affairs; and as a hotel executive with Outrigger Enterprises Group where, prior to retirement, he built a long and distinguished career in promoting Outrigger Hotels and Resorts and Hawaii's visitor industry to community, business, and government leaders; MR. SWORD's work and experience, coupled with the esteem of his colleagues, brought additional recognition and respect for the Board; and

WHEREAS, MAX SWORD's keen understanding of administrative and community matters, and his service on various nonprofit and government boards and commissions, have made him a valuable asset to this Board and a helpful resource in its proceedings and deliberations, as he provided useful insights and counsel to its members; and

WHEREAS, as a Board member, MR. SWORD has volunteered his time and expertise to help support and adopt initiatives for programs that preserve and protect Oahu's precious water resources and effect business and policy decisions for the Board that will impact the direction and operations of this Department for many years to come; and

WHEREAS, his service is a testament to his commitment to maintaining a municipal water system deserving of trust from the public it serves; now therefore,

BE IT RESOLVED by the Members of the Board of Water Supply, City and County of Honolulu, that we do hereby express to MAX J. SWORD our deep appreciation and gratitude for his dedicated service to this Board and Department; and

BE IT FURTHER RESOLVED that the Members of this Board extend to MAX J. SWORD our sincere aloha and best wishes for continued success in all his future endeavors; and

BE IT FINALLY RESOLVED that this Resolution be presented to MAX J. SWORD.



Resolution No. 975, 2023

Adopted this 25th day of September 2023
Board of Water Supply, Honolulu, Hawaii

NĀ'ĀLEHU ANTHONY
Chair of the Board

ADOPTION OF RESOLUTION NO. 975, 2023,
 RESOLUTION OF APPRECIATION FOR BOARD MEMBER
 MAX J. SWORD WAS ADOPTED ON SEPTEMBER 25,
 2023

	AYE	NO	COMMENT
NĀ'ĀLEHU ANTHONY	X		
KAPUA SPROAT	X		
BRYAN P. ANDAYA	X		
MAX J. SWORD	X		
JONATHAN KANESHIRO	X		
EDWIN H. SNIFFEN			ABSENT
GENE C. ALBANO	X		

ITEM FOR INFORMATION NO. 1

“September 25, 2023

UPDATE ON
THE BOARD OF
WATER SUPPLY'S
RESPONSE TO
THE POTENTIAL
IMPACTS OF
RED HILL FUEL
CONTAMINATION

Chair and Members
Board of Water Supply
City and County of Honolulu
Honolulu, Hawaii 96843

Chair and Members:

Subject: Update on the Board of Water Supply's Response to the Potential Impacts of the Red Hill Fuel Contamination

Joyce Lin, Civil Engineer IV, Office of the Manager and Chief Engineer, will give an Update on the Board of Water Supply's Response to the Potential Impacts of the Red Hill Fuel Contamination.

Respectfully Submitted,

/s/ ERNEST Y. W. LAU, P.E
Manager and Chief Engineer

Attachment”

The foregoing was for information only.

DISCUSSION: Joyce Lin, Civil Engineer IV, Office of the Manager and Chief Engineer, gave the report.

Board Member Bryan Andaya asked if the Navy is using Nakapuna Company as their consultant or if they are responsible for defueling the tanks at the Red Hill Bulk Fuel Storage Facility.

Ms. Joyce Lin replied that the Navy hired Nakapuna Company to collect non-fuel reuse ideas from the community. She explained that the survey consists of two parts: quantitative to gather ideas, which was completed at the end of May, and now qualitative to determine which option would be most beneficial for non-fuel reuse of the Red Hill Bulk Fuel Storage Facility.

Board Member Andaya inquired if the Nakapuna Company requested the BWS's feedback.

Manager Ernest Lau shared that the Nakapuna Company interviewed him and asked what options would be most beneficial for the non-fuel reuse or closure of the Red Hill Bulk Fuel Storage Facility. He also shared that the Nakapuna Company surveys key stakeholders, and the regulators, the Department of Health (DOH), and the Environmental Protection Agency (EPA) will make the final decision.

Board Member Andaya inquired about the timeline of when the results from the survey would be released.

Ms. Lin responded that the Nakapuna Company and the Navy are expected to release the results in a final report identifying the best non-fuel reuse option for the Red Hill Fuel Bulk Fuel Storage by the end of 2023.

Board Member Andaya asked if the discussion will continue after the regulators have made a decision.

Manager Lau replied that the regulators will determine and approve the final Red Hill Bulk Fuel Storage Facility closure plan. Unfortunately, the timeline is still not known. He mentioned that there may be a Closure Plan Supplement Three. Manager Lau explained the tanks are at a higher elevation and approximately three miles inland. Therefore, the Navy will use gravity as the defueling method, allowing the fuel to flow into tanker ships located at Pearl Harbor. He further explained that gravity would not be able to remove all the fuel, which would leave an estimated 100,000 gallons to 400,000 gallons of residual fuel and sludge in the tanks. Manager Lau shared that the Navy accepted the BWS's invitation to present at the October 2023 Board Meeting to give an update.

Chair Anthony inquired if the discussion would be focused on defueling updates.

Manager Lau responded that he hopes that the Joint Task Force would report on the progress of the defueling of Red Hill tanks, the closure of the tanks, and the remediation cleanup of 80 years of releases.

Chair Anthony asked if the BWS and the Navy have discussed the closure and remediation cleanup in meetings.

Manager Lau stated that most recent Navy discussions have focused on defueling. The "round table" discussions with the EPA and the DOH are more in-depth.

Board Member Max Sword asked if there is a possible third Supplement Closure Plan, would it affect the tentative closure date beyond August 2027?

Manager Lau replied that the BWS will not know until the Supplement Plan is submitted. He stated that the BWS continuously reminds the Navy and the Department of Defense (DOD) to remove the fuel as safely and quickly as possible.

Board Max Sword commented that the critical date is January 2024.

Manager Lau responded that in January 2024, most of the fuel at the Red Hill Bulk Fuel Storage should be removed.

Chair Anthony commented that after the Navy defuels the tanks, over a hundred thousand gallons of fuel and sludge will remain in the tanks.

Manager Lau confirmed that Chair Anthony's comment was noted in the Closure Plan. The Navy will drain as much fuel as possible. He reminded everyone to keep the Joint Task Force in our prayers as they begin the defueling and throughout the process.

There was written testimony:

Ann Wright	<i>Submitted written testimony. She commented on the "Cost to the Community" editorial that appeared in the September 9, 2023, Star Advertiser.</i>
Pete Doktor	<i>Submitted written testimony. He encouraged the BWS to secure DOD back payments and investments to cover cost associated with Red Hill.</i>

From: Ann Wright <annw1946@gmail.com>

Sent: Monday, September 25, 2023 6:41 AM

To: Board of Water Supply Board of Directors <board@hbws.org>

Subject: Testimony by Ann Wright for the Honolulu Board of Water Supply for September 25, 2023 meeting

CAUTION: This email originated from outside of the organization. Do not follow guidance, click links, or open attachments unless you recognize the sender and know the content is safe.

Testimony by Ann Wright for the Honolulu Board of Water Supply for September 25, 2023 meeting

The blistering editorial in today's September 25, 2023, edition of the Star Advertiser "COST TO COMMUNITY--Navy should pay for Red Hill mess" Reveals so much of the trauma that the November 2021 Red Hill fuel spill has caused our community:

"It's time for consequences — for the Navy to pay up for its dereliction that allowed thousands of gallons of fuel in its Red Hill tank storage facility to spew out in 2021, sickening many and compromising Oahu's water resources."

The litany of lies and purposeful destruction of evidence is horrifying coming from members of the Navy and Department of Defense.

Navy officials "recklessly destroyed" text and phone records between two key officials. The official phone of Capt. James "Gordie" Meyer, then-commander of Naval Facilities Engineering Systems Command Hawaii, was "wiped" in spring 2022 and the official phone of Capt. Erik Spitzer, then-commander of Joint Base Pearl Harbor-Hickam, was wiped clean when he retired in June 2022.

As attorney Kristina Baehr stated: "The Navy knows it has to preserve evidence. "After we filed our first (claims) in February of 2022, the Navy knew that it had to preserve evidence, and it also knew who the key players were. ... I'm not going to say it was intentional, but it was absolutely reckless."

The Navy, and those involved, must be held to account for their negligent actions—and the Board of Water Supply must be reimbursed for the damages done to our aquifer and to water rate increases proposed based on the costs to address the damages.

As the Star Advertiser editorial states: "While most members of the Joint Task Force-Red Hill (JTF-RH) charged with defueling were not responsible for past years of Navy neglect at the facility, **they will have to deal with today's deep-seated, justifiable distrust of the military.**

It's now been shown just how much the military had lied about Red Hill's safety. Year after year, it averred the facility's integrity — and even as recently as mid-2021, was trying mightily to secure state approval to operate Red Hill for another five years. Unconscionable. But the November 2021 fuel spill, and subsequent 253 repairs to the facility, revealed the deception.

Further, the Pentagon earlier this month certified to Congress that shutdown of Red Hill would not hurt U.S. military readiness — debunking the Navy’s excuse for many years in opposing its closure.”

And now you, the Honolulu Board of Water Supply (BWS), is having to propose to raise water rates for us Honolulu water consumers, in part due to increased expense from having to drill monitoring and exploratory wells after the Navy’s Red Hill fuel spill.

The BWS has had to drill new monitoring wells to gauge how the contamination is moving and new exploratory wells to find new sources of water, both adding costs where none was previously needed, one of the factors for today’s proposed higher water bills.

The proposed increases of 8%-10% annually for five years, from 2024 to 2029 should be funded by the Department of Defense, since it was the Navy’s negligence that caused the harm to our residents, aquifer and wells.

The Board of Water Supply through the City and County of Honolulu **MUST** demand that the Department of Defense cover the costs for these new wells, directly or through reallocation of funds to the BWS. **These expenses should not be paid by Honolulu water rate payers.**

As a retired U.S. Army Colonel with 29 years in the military, I can guarantee you that the modest amount that will cover the costs of DOD negligence in Honolulu can be covered by the mammoth DOD budget with no effect on US national security.

But we will get reimbursement for the costs our community has incurred, only if we demand it.

We implore the Honolulu Board of Water Supply to demand from DOD reimbursement for costs incurred already in dealing with the Red Hill toxic contamination of our water supply and for the water rate increase you are proposing.

Mahalo,

**Ann Wright
Honolulu**

--

Ann Wright
Dissent: Voices of Conscience
www.voicesofconscience.com

-----Original Message-----

From: pete doktor

Sent: Monday, September 25, 2023 10:33 AM

To: Board of Water Supply Board of Directors

Subject: HOA testimony

CAUTION: This email originated from outside of the organization. Do not follow guidance, click links, or open attachments unless you recognize the sender and know the content is safe.

Aloha BWS,

Mahalo nui loa, we applaud your tireless efforts to secure our precious life-giving water for current and future generations. We understand the need for periodic raises to adjust inflation and for investments for the integrity of safe water distribution and reserves.

However, we are firmly opposed to paying for any costs borne by agencies of the DoD due to operation impacts on our water, to include all costs incurred as a result of the multiple leak history of the Naval Red Hill Underground Fuel Tanks facilities. Considering the almost \$817 BILLIONS it bleeds from us taxpayers already, it is unreasonable and unjust to expect more due to DoD negligence, incompetence and inevitable system fails, we support BWS efforts to secure DoD back payments and investments including legal to cover their costs, rather than punish the people of Hawai'i for the mistakes of the DoD.

Again, mahalo piha BWS: we are counting on you to defend our water from the military and any threats to our water be it commercial, governmental or otherwise -- you are our first-line defense for our `ohana.

Ola i ka Wai,

Pete Doktor

Secretary/Past President

Moanalua View Estates AOAU



SEPTEMBER 2023 RED HILL UPDATES

September 25, 2023


Joyce Lin

boardofwatersupply.com

RECENT EVENTS

- Community Representation Initiative (CRI) Selection Meeting
 - 10 members finalized
- Defueling Information Sharing Forum
- Quarterly Meeting with Navy Admirals

Community Representation Initiative Nomination and Selection Process Fact Sheet




Updated Information on Nomination Process

- Nomination process from Wednesday August 23, through midnight HST Wednesday Sept. 6.
- Self-nomination for membership. Will be accepted on the website: www.epa.gov/red-hill/cri.
- Selection of Community Representation Initiative members at in person/hybrid meeting Sept. 16.
 - 10 CRI members with alternates designated by category.

Nominees

Nominees shall submit the following at www.epa.gov/red-hill/cri:

- Name, email, and phone number.
- Which category you prefer to represent.
 - i.e. affected community, community based organization, etc. (see list below).
 - Chosen affiliation/title for individuals representing Community Based Organizations/Activists.
- A bio about yourself & why you are a fit for the Community Representation Initiative.
 - Limited to 1000 characters with spaces (approximately 150 words).
 - Nominees unable to use a computer may request accommodation.
- For assistance, contact EJ Coordinator Dominique Smith: (808) 541-2724
 - or send questions to RedHill@epa.gov




Community Feedback

Based on community feedback, EPA has made several adjustments to the CRI nomination and selection process. CRI members will now be delegates who represent different community groups.


Nominees will apply to represent one of the following groups:

- 1) Impacted residents (2 seats)**
 - Open to military and civilian affected communities
 - Residents living in or displaced from impacted areas
- 2) Oahu residents (4 seats)**
 - Open to any Oahu resident including
 - Neighborhood board members
 - Business leaders
 - Educators
 - Historical perspectives
 - All generations including kūpuna and youth
- 3) Community Based Organizations/Activists (2 seats)**
 - Open to organizations who will send one leading representative to participate
- 4) Individuals representing Native Hawaiian interests (2 seats)**
 - Open to all Hawaii residents
 - Once formed, CRI members may invite government and technical experts to resource seats (e.g. Honolulu Board of Water Supply).



Schedule of Nomination & Voting Process

Dates	Community Representation Initiative Formation Activities
Aug 23	Nominate yourself via the website www.epa.gov/red-hill/cri . To nominate yourself, submit bios to EPA.
Sept 6	Self-nominations will be received through September 6. Members of the public can review posted bios on EPA website.
Sept 16	Selection process during an in person +zoom hybrid meeting
Late Sept/early Oct	CRI members form internal ground rules. First Community Representation Initiative meeting with EPA and Navy.

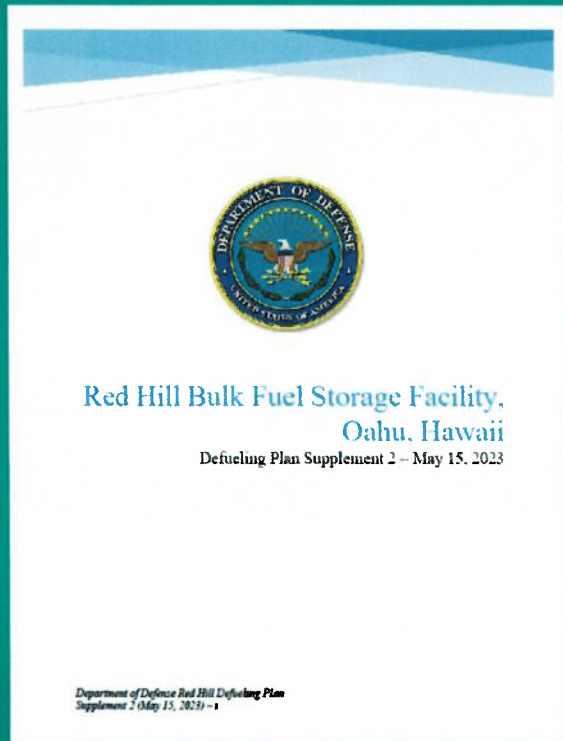


For more information, visit:
<https://www.epa.gov/red-hill/cri>



DEFUELING the Red Hill Bulk Fuel Storage Facility

OCTOBER 16, 2023 – JANUARY 19, 2024



Repacking of Fuel Lines Completed

- August 28 –September 5, 2023
- 380,000 gallons of fuel reintroduced into fuel lines

Underground Surge Tanks defueled

- July 17 – July 28, 2023
- 480,000 gallons of fuel relocated

Defueling Plan

- **Conditionally approved by EPA and DOH**

Environmental Assessment for Red Hill Defueling and Fuel Relocation Finalized

- Finding of No Significant Impact
- Commercial Sale and Relocation





Next 90 Days

September 2023

October 2023

November 2023

Key Events

September 1-30: Final Preparations
September 19: HNL Dept of Emergency Management Meeting

October 3: Defueling Open House
October 4: CRI¹ Briefing
October 16: Defueling Begins
October 17: DLNR¹ Commission on Water Resource Management
October 24: DISF¹ Meeting

November 15: Fuel Tank Advisory Committee

Joint Task Force-Red Hill is set to begin gravity defueling October 16. Next scheduled dashboard will be released once defueling commences.

GRAVITY DEFUELING COUNTDOWN

1 0 4 , 0 0 0 , 0 0 0 *
GALLONS LEFT

*Amount is approximate

Defueling Open House

Joint Task Force-Red Hill (JTF-RH) invites members of the community to an open house October 3, 4-6 p.m., at Ke'ehi Lagoon Memorial Park, Harry and Jeannette Weinberg Memorial Hall.



Defueling Main Tanks

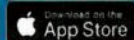
To learn more about the defueling process, click on the image below.



Dashboard Legend ¹

CRI: Community Representation Initiative
DLNR: Department of Land and Natural Resources
DISF: Defueling Information Sharing Forum

Joint Task Force – Red Hill
Defueling Dashboard
As of September 8, 2023
Subject to Revision



JTF-RH is currently ON PLAN to begin gravity defueling on October 16, 2023

<https://www.pacom.mil/JTF-Red-Hill/Joint-Task-Force-Red-Hill>


CLOSURE of Red Hill Bulk Fuel Storage Facility

Department of Defense Announced Closing Red Hill
Will Not Impact Operational Readiness

Tank Closure Plan

- Clean and close fuel tanks
- Dismantle the 3 fuel pipelines between tanks and Pearl Harbor
- Final closure method pending Nakapuna Company's survey on non-fuel reuse ideas
- 3+ years to complete following defueling

Tentative Closure: August 2027



Headquarters, Joint Task Force-Red Hill Public Affairs Office
Ford Island Conference Center
Joint Base Pearl Harbor-Hickam

FOR IMMEDIATE RELEASE September 12, 2023
Point of Contact:
JTF-RH Public Affairs
JTFRH-PAO@us.navy.mil
(808) 501-8320

Department of Defense Asserts Closing Red Hill Will Not Impact Operational Readiness

HONOLULU - The Department of Defense (DoD) has notified Congress that military operations in the United States Indo-Pacific theater will not be adversely impacted by the closure of the Red Hill Bulk Fuel Storage Facility. The report was required by Section 331(e) of the James M. Inhofe National Defense Authorization Act for Fiscal Year 2023. The notification serves as a clear and unequivocal statement that closure of the Red Hill facility will proceed as planned.

Pentagon Press Secretary, Brig. Gen. Pat Ryder, stated in a press briefing today, "This notification was in accordance with the FY23 NDAA, which required the Secretary of Defense to notify congressional defense committees prior to the Department beginning the defueling process." Further, this achievement "reflects the Department's ongoing commitment to defuel and ultimately close the Red Hill Bulk Fuel Storage Facility, while upholding our responsibility to ensure the readiness of our armed forces."


JTF-RH remains dedicated to working collaboratively with stakeholders, regulators, and the community to address concerns, implement necessary measures, and ensure the safety of the environment. Ongoing engagements with community partners and regulators will continue throughout the defueling effort.

"This notification serves as a testament to the unwavering commitment of the DoD to prioritize safety, environmental stewardship, and the well-being of the communities in Hawaii," said Vice Adm. John Wade, JTF-RH Commander. "It is important to assure the community of our promise to safely defuel and close the facility, and the notification to Congress clearly demonstrates our commitment to this endeavor."


Defueling the storage tanks is scheduled to begin Oct. 16, 2023.

JTF-RH is committed to working with regulators and government stakeholders to ensure Red Hill is defueled safely, expeditiously, and in compliance with all applicable laws and regulations. For more information about JTF-RH, visit pacom.mil/jtf-red-hill or download the mobile app by searching for "JTF-Red Hill" in the [Apple App store](#) or [Google Play store](#).

— JTF-RH —

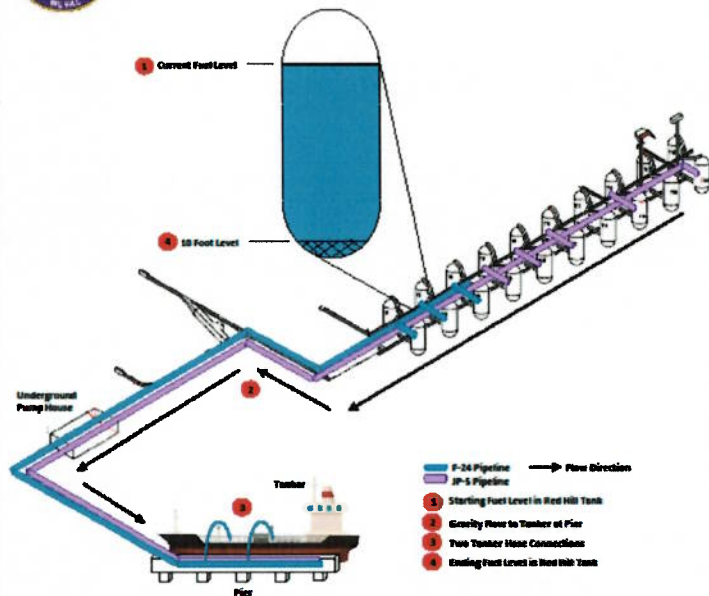


Download the JTF-Red Hill app!
Get real-time updates and easily access helpful links, photos, educational videos, the defueling plan, and more.





DEFUELING - TANK MAINS



What is Defueling Tank Mains?

Defueling tank mains is the evolution that transfers the bulk amount of fuel from the 14 active Red Hill tanks to tanker vessels at Pearl Harbor pier. Fuel is transferred by gravity flow through the Red Hill pipelines.

How Much Fuel Will Be Transferred?

Starting tank fuel levels vary from 60-212 ft. or 2.5-11.4M gallons. This evolution is designed to transfer fuel down to the 10 ft. level or ~120K gallons for all 14 tanks. Fuel transferred during this phase will be ~50M gallons of JP-5, ~12M gallons of F-76 and 41M gallons of F-24, totaling ~103M gallons.

Will Only Tanker Vessels Be Used For Defueling Tank Mains?

Red Hill fuel is planned to go to tankers. Up to 15% could be redirected to refill Pearl Harbor or Hickam tanks.

UPCOMING EVENTS

October:

- Defueling Open House –10/3
Ke'ehi Lagoon 4-6pm
- Defueling Red Hill Tanks –10/16
- Subject Matter Expert Workshop
- Red Hill Remediation Roundtable

November:

- Fuel Tank Advisory Committee Meeting

Source: Joint Task Force –Red Hill





MAHALO!

September 2023 Red Hill Updates

Providing safe, dependable, and affordable
drinking water, now and into the future.

ITEM FOR INFORMATION NO. 2

“September 25, 2023

DRAFT BOARD
OF WATER
SUPPLY REPORT
TO THE BOARD
BY THE
HRS §92-2.5(B)
PERMITTED
INTERACTION
GROUP ON THE
ROLE OF THE
BOARD IN THE
WATER RATE
STUDY
PROCESS

Chair and Members
Board of Water Supply
City and County of Honolulu
Honolulu, Hawaii 96843

Chair and Members:

Subject: Draft Board of Water Supply Report to the Board by the
HRS §92-2.5(b) Permitted Interaction Group on the Role of
the Board in the Water Rate Study Process

On July 17, 2023, and September 6, 2023, the Permitted Interaction Group met with the Board of Water Supply (BWS) senior management team to determine the role of the Board in the Water Rate Study Process. Attached is the report of the Permitted Interaction Group.

Respectfully Submitted,

/s/ ERNEST Y. W. LAU, P.E
Manager and Chief Engineer

Attachment”

The foregoing was for information only.

DISCUSSION:

Joseph Cooper, Waterworks Controller, Finance Division, gave the report.

Board Member Sword referred back to the question that he asked during the Permitted Interaction Group (PIG) meeting, how many new farmers start businesses each year?

Ms. Kathleen Elliott-Pahinui, Information Officer, Communications Office, replied that the BWS was working on getting the answer.

Board Member Andaya asked if the report presented was final or if it would be finalized after the meeting discussion. He commented that he was expecting materials to be presented.

Manager Lau asked Corporation Counsel Jessica Wong about the proper process for a PIG report.

Ms. Wong confirmed that usually, the report is presented at one meeting, and a discussion follows in the next Board meeting.

Manager Lau stated that the draft report was circulated to all the Board Members involved in the PIG, and all the materials presented in the community meetings are accessible on the BWS website.

Board Member Kaneshiro inquired if action on the proposed rates would be taken at the next Board meeting.

Manager Lau explained that the draft PIG report summarizes the discussions regarding the proposed rates during the community meetings. He stated that a PIG is not mandatory in the rate schedule proposal process. He explained that at the October Board meeting, the BWS will request the Board's approval to authorize a public hearing on the proposed rate schedule, including a complete presentation. Manager Lau further explained that if the Board approves to have a public hearing, the BWS will publish a public hearing notice up to 30 days before the public hearing in November.

Board Member Sword asked if the draft report could be amended.

Ms. Wong shared that the Office of Information Practices (OIP) guidelines state that the PIG is dissolved after the PIG presents the report to the Board. Therefore, the report can no longer be amended.

Board Member Sword inquired if the Board is voting on the draft PIG report.

Chair Anthony stated that no action would be taken on this item since the report is presented as an item for information.

For clarification, Vice Chair Kapua Sproat reiterated her understanding of the PIG process. The PIG is now dissolved since the report has been presented to the full Board. Although the materials were not attached when the report was presented, the materials are available on the BWS website for the public to view. If the Board authorizes a public hearing, the BWS will share a detailed presentation that includes materials.

Manager Lau agreed.

Board of Water Supply Permitted Interaction Group on Water Rates

Final Report September 15, 2023

At the Monday, June 26, 2023 Board of Water Supply (BWS) Board Meeting, a Permitted Interaction Group was formed to attend the community meetings, listen to testimony and discuss in-depth the proposed upcoming 5-Year Rate Schedule (FY2024-FY2029). The Permitted Interaction Group appointed by the Board was composed of: Board Member Bryan Andaya, Board Member Jonathan Kaneshiro, Board Member Max Sword.

The Permitted Interaction Group held its first meeting on Tuesday, July 11, 2023, where they discussed the overall proposal and reviewed the community outreach meeting schedule. They asked questions of the BWS rates team about the draft to clarify what was being proposed and affirmed, pending community input, their support for the current proposed rates as well as the new agricultural waiver of the Water System Facilities Charge and Meter Charge and kupuna direct install program.

Community Information Meetings were held on the following days and locations:

- Monday, August 14, Benjamin Parker Elementary School, Kaneohe – 9 attendees
- Tuesday, August 15, Japanese Cultural Center, Honolulu – 3 attendees
- Wednesday, August 16, Kapolei Hale, Kapolei – 6 attendees
- Wednesday, August 23, Mililani Highschool, Mililani – 3 attendees

Permitted Interaction Group member Jonathan Kaneshiro attended all four community meetings. Permitted Interaction Group member Max Sword attended the Kaneohe meeting.

On Wednesday, September 6, 2023, the Permitted Interaction Group met for the final time to discuss the input from the four Community Information Meetings as well as other meetings the BWS rates team was attending and presenting at. The Permitted Interaction Group stated the following:

- Jonathan Kaneshiro observations regarding the community meetings: The Community Information Meetings were informative, lots of good feedback. The rate proposal was well received. There were a few questions, and they were answered well. The different increases across the tiers were well received. Nobody said the rates were being raised to high.
- Max Sword observation regarding the community meeting he attended: No major negatives. The explanations were really good.

The BWS rates group then reported on the five Neighborhood Board meetings they presented at so far, stating that they have been getting common questions at all of meetings: desalination, Red Hill, tiered rates for non-residential (resorts should pay more), conservation initiatives, and sewer rates. This mirrors the questions heard at the Community Information Meetings. Overall reception by the public of the rate proposal has been positive. While the community is concerned about rates going up (along with

everything else), they understand the reasons behind the proposed increases and support that maintaining the integrity of the water system is critical.

The BWS rates group has another 16 Neighborhood Board meetings to present at through the rest of September and into October. Comments on the proposal are being accepted through October 15 to accommodate the presentation schedule. There are also other meetings the BWS rates group will be at or has attended where they spoke about the rates.

Permitted Interaction Group Member Andaya suggested that the low attendance at the Community Information Meetings may have reflected the impact of the Maui fires; however, it was noted that attendance was similar back in 2018.

The Permitted Interaction Group discussed that the proposed waiver for new farmers has been well received and there has been no pushback. The BWS rates group met with a small stakeholder group that has assisted in drafting the language for the waiver for new farm hookups and they are very supportive. Permitted Interaction Group Member Sword asked how many new farmers per year do we get? Can the BWS rates group provide a projection of what that might look like going forward? The BWS team will provide that information. Sword stated that he was curious about the numbers.

The proposed kupuna direct install program has also been receiving positive feedback and a lot of interest.

The Permitted Interaction Group felt it was important not to delay the roll out of the new rates slated for February 1, 2024, and that the BWS should continue to move forward with that date in mind.

This report is respectfully submitted to the Board of Water Supply Board by the Permitted Interaction Group Members Bryan Andaya, Jonathan Kaneshiro and Max Sword on Monday, September 25 at the regular meeting of the Board of Water Supply Board.

ITEM FOR INFORMATION NO. 3

“September 25, 2023

INVITATION TO
IMAGINE A DAY
WITHOUT WATER
EVENT ON
OCTOBER 21, 2023

Chair and Members
Board of Water Supply
City and County of Honolulu
Honolulu, Hawaii 96843
Chair and Members:

Subject: Invitation to Imagine a Day Without Water Event on
October 21, 2023

The Board of Water Supply (BWS) is pleased to invite you to attend this year’s Imagine a Day Without Water Event on Saturday, October 21, 2023, from 10 a.m. to 2 p.m. at the Wahiawā Freshwater State Recreation Area, 380 Walker Avenue, Wahiawā.

This free community affair marks the fourth annual observance of the concept of One Water Hawai’i. It integrates the types of water available – drinking water, wastewater, stormwater, freshwater, and seawater – and our collective responsibility to protect, preserve, and improve these waters in our built and natural environment. There are almost 20 state and county agencies, community organizations, schools, and volunteer groups partnering together to host this activity-filled day.

The BWS will promote water conservation with rain barrels and xeriscape workshops. The State Department of Land and Natural Resources will provide major support from the Commission on Water Resource Management, Aquatic Resources, and Forestry and Wildlife Divisions. The City and County of Honolulu participation includes Departments of Facilities Maintenance and Environmental Services, along with the Mayor’s Resilience Office. There will also be representation from Hawai’i County Department of Water.

Family-friendly and sustainable practice activities are being planned to include bokashi balls to improve stream and lake waters, *mālama ‘āina* clean up, native plant seed ball making, and distribution in the park area. Invitations are being sent to feature local food options such as plate lunches and shaved ice. The Hawai’i Blood Bank will bring their mobile unit for donations.

We hope that you, your family, and friends will join us on October 21st.

Respectfully Submitted,

/s/ ERNEST Y. W. LAU, P.E
Manager and Chief Engineer

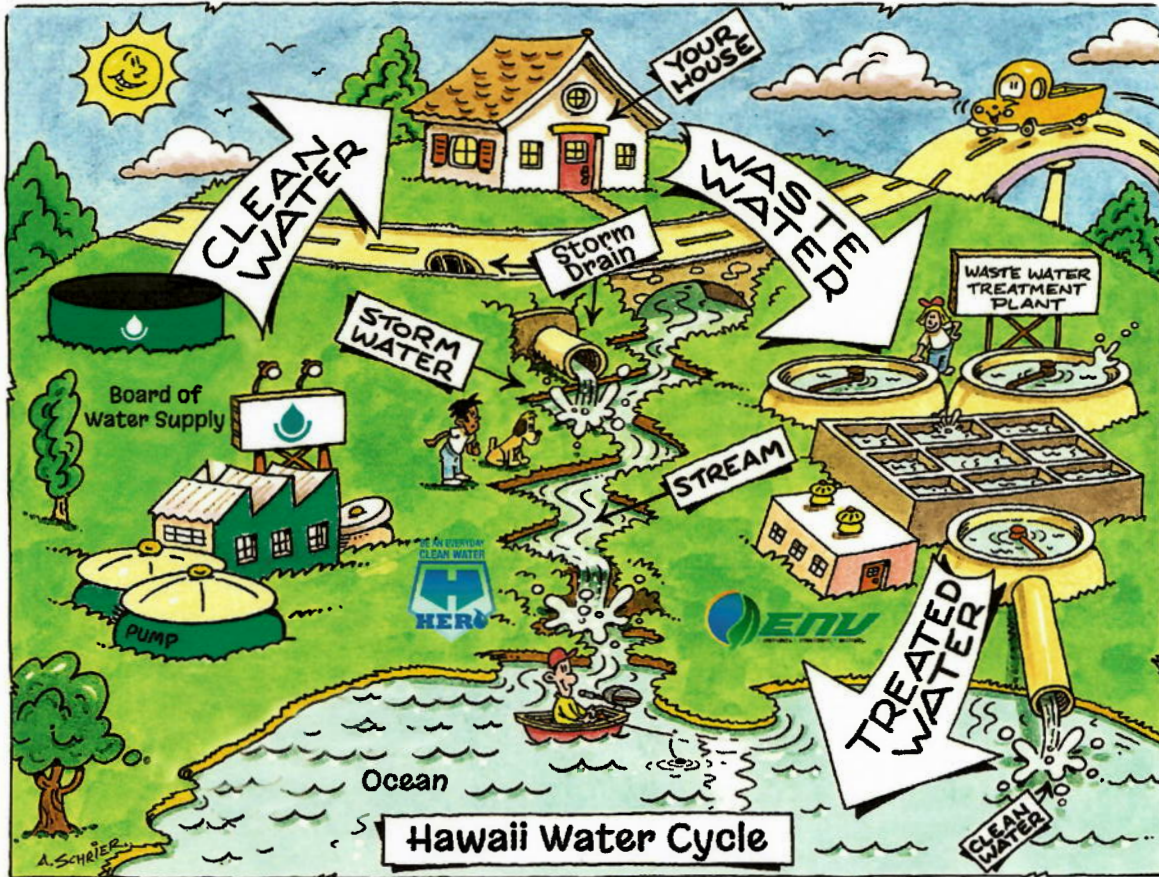
Attachment”

The foregoing was for information only.

DISCUSSION: Arthur Aiu, Community Relations Specialist II, Communications Office, gave the report. There were no comments or discussion.

Imagine A Day Without Water

Sat, Oct. 21, 2023
10 AM - 2 PM



Wahiawā Freshwater State Recreation Area

380 Walker Ave., Wahiawā

www.boardofwatersupply.com/onewaterhawaii



ITEM FOR INFORMATION NO. 4

"September 25, 2023

STATUS
UPDATE OF
GROUNDWATER
LEVELS AT
ALL INDEX
STATIONS

Chair and Members
Board of Water Supply
City and County of Honolulu
Honolulu, Hawaii 96843

Chair and Members:

Subject: Status Update of Groundwater Levels at All Index Stations

Eight aquifer index stations were in low groundwater condition for the production month of August 2023. Beretania, Moanalua, Pearl City, Waipahu, Kaluanui, and Waialua are in Caution Status. Kaimuki and Punaluu are in Alert Status. The monthly production average for July 2023 was 148.95 million gallons per day.

The Board of Water Supply rainfall index for the month of August 2023 was 38 percent of normal, with a 5-month moving average of 91 percent. As of September 5, 2023, the Hawaii Drought Monitor shows abnormally dry conditions along the uppermost elevations of the Koolau Range, with moderate drought conditions throughout the rest of Oahu. The National Weather Service is forecasting below-normal precipitation through March 2024.

Most monitoring wells exhibited decreasing head levels for the month of August 2023, likely reflecting the typical increase in summer production combined with the consecutive months of lower-than-average rainfall. Average monthly production for August 2023 was similar to July 2022 and the 5-year monthly average. Increased conservation messaging is recommended for the remainder of 2023, possibly into early 2024.

Respectfully Submitted,

/s/ ERNEST Y. W. LAU, P.E
Manager and Chief Engineer

Attachment"

The foregoing was for information only.

DISCUSSION:

Barry Usagawa, Program Administrator, Water Resources Division, gave the report.

During the presentation, Mr. Barry Usagawa stated that the Board letter noted the incorrect month for the monthly production average. The correct month should be August and not July.

**PRODUCTION, HEAD AND RAINFALL REPORT
MONTH OF AUGUST 2023**

POTABLE

STATION	MGD
HONOLULU (1)	
KULIOUOU	0.06
WAILUPE	0.14
AINA KOA	0.00
AINA KOA II	0.70
MANOA II	0.83
PALOLO	0.97
KAIMUKI HIGH	2.45
KAIMUKI LOW	3.61
WILDER	8.66
BERETANIA HIGH	2.10
BERETANIA LOW	2.64
KALIHI HIGH	3.81
KALIHI LOW	5.00
KAPALAMA	0.33
KALIHI SHAFT	7.95
MOANALUA	2.59
HALAWA SHAFT	0.00
KAAMILO	0.98
KALAUAO	8.59
PUNANANI	8.80
KAAHUMANU	0.27
HECO WAIJU	2.72
MANANA	0.30
WAIALAE IKI	0.56
WELLS SUBTOTAL:	64.06
MANOA TUNNEL	0.17
PALOLO TUNNEL	0.00
GRAVITY SUBTTL:	0.17
HONOLULU SUBTTL:	64.23

STATION	MGD
WINDWARD (2)	
WAIMANALO II	0.65
WAIMANALO III	0.00
KUOU I	0.00
KUOU II	0.77
KUOU III	0.77
LULUKU	0.83
HAIKU	0.35
IOLEKAA	0.00
KAHALUU	0.67
KAHANA	0.64
PUNALUU I	0.00
PUNALUU II	4.79
PUNALUU III	0.00
KALUANUI	1.98
MAAKUA	0.33
HAUULA	0.26
WELLS SUBTOTAL:	12.04
WAIM. TUNNELS I & II	0.00
WAIM. TUNNELS III&IV	0.19
WAIHEE INCL. WELLS	0.27
WAIHEE TUNNEL	4.45
LULUKU TUNNEL	0.18
HAIKU TUNNEL	0.33
KAHALUU TUNNEL	1.43
GRAVITY SUBTOTAL:	6.85
WIND. SUBTOTAL:	18.89

STATION	MGD
NORTH SHORE (3)	
KAHUKU	0.39
OPANA	0.99
WAIALEE I	0.20
WAIALEE II	0.67
HALEIWA	0.00
WAIALUA	1.98
N. SHORE SUBTOTAL:	4.24

MILILANI (4)	
MILILANI I	3.12
MILILANI II	0.00
MILILANI III	0.83
MILILANI IV	0.99
MILILANI SUBTOTAL:	4.95

WAHIAWA (5)	
WAHIAWA	1.73
WAHIAWA II	1.14
WAHIAWA SUBTOTAL:	2.88

PEARL CITY-HALAWA (6)	
HALAWA 277	0.00
HALAWA 550	0.00
AIEA	0.00
AIEA GULCH 497	0.00
AIEA GULCH 550	0.23
KAONOHI I	1.80
WAIMALU I	0.00
NEWTOWN	2.04
WAIJU	1.98
PEARL CITY I	0.84
PEARL CITY II	1.18
PEARL CITY III	0.20
PEARL CITY SHAFT	0.90
PEARL CITY-HALAWA SUBTOTAL:	9.18

STATION	MGD
WAIPAHAU-EWA (7)	
WAIPIO HTS.	1.75
WAIPIO HTS. I	0.00
WAIPIO HTS. II	0.38
WAIPIO HTS. III	1.44
WAIPAHAU	6.74
WAIPAHAU II	2.09
WAIPAHAU III	4.68
WAIPAHAU IV	3.08
KUNIA I	4.81
KUNIA II	1.99
KUNIA III	1.36
HOAEAE	8.05
HONOULIULI I	0.70
HONOULIULI II	2.94
MAKAKILO	0.26
WAIPAHAU-EWA SUBTOTAL:	40.28

WAIANA E (8)	
MAKAHA I	0.69
MAKAHA II	0.00
MAKAHA III	0.38
MAKAHA V	0.30
MAKAHA VI	0.00
MAKAHA SHAFT	0.00
KAMAILE	0.10
WAIANA E I	0.29
WAIANA E II	0.28
WAIANA E III	0.74
WELLS SUBTOTAL:	2.78
WAIANA C&C TUNNEL	1.40
WAIANA PLANT TUNNELS	0.13
GRAVITY SUBTOTAL:	1.53
WAIANA E SUBTOTAL:	4.31

NONPOTABLE

NONPOTABLE	MGD
KALAUAO SPRINGS	0.54
BARBERS POINT WELL	1.34
GLOVER TUNNEL NP	0.29
NONPOTABLE TOTAL:	2.18

RECYCLED WATER (JULY 2023)

RECYCLED WATER	MGD
HONOULIULI WRF R-1	6.58
HONOULIULI WRF RO	1.43
RECYCLED TOTAL:	8.01

**PRODUCTION, HEAD AND RAINFALL REPORT
MONTH OF AUGUST 2023**

TOTAL WATER		MGD
PUMPAGE		140.39
GRAVITY		8.55
POTABLE TOTAL:		148.95
NONPOTABLE		2.18
RECYCLED WATER		8.01
TOTAL WATER:		159.14

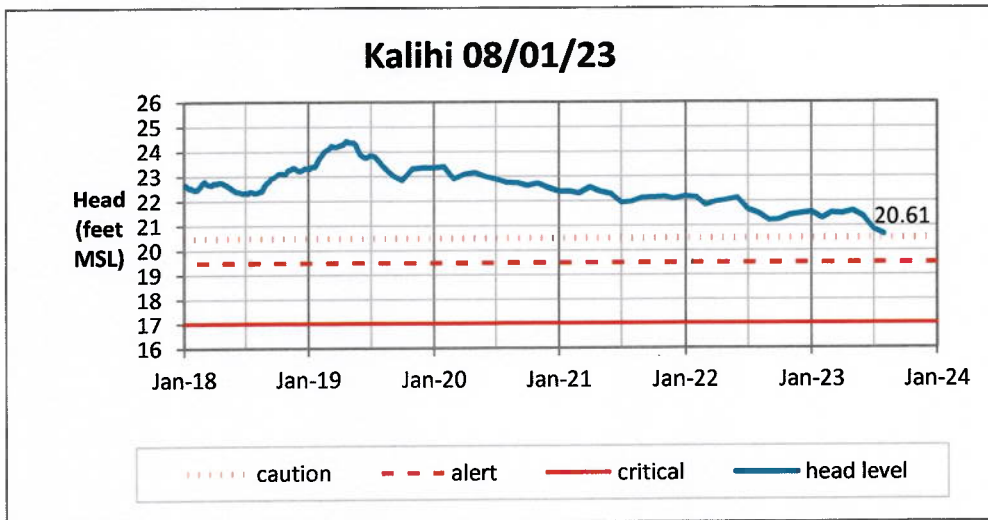
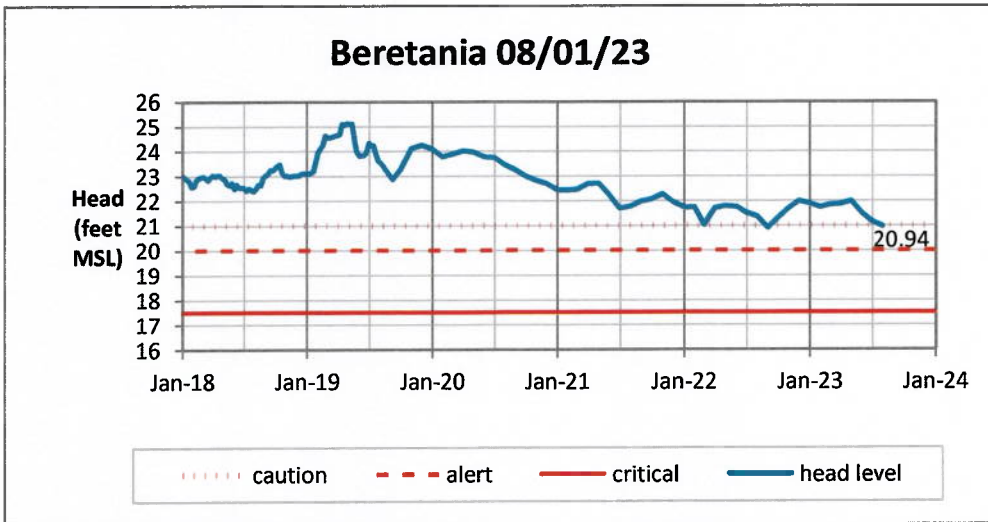
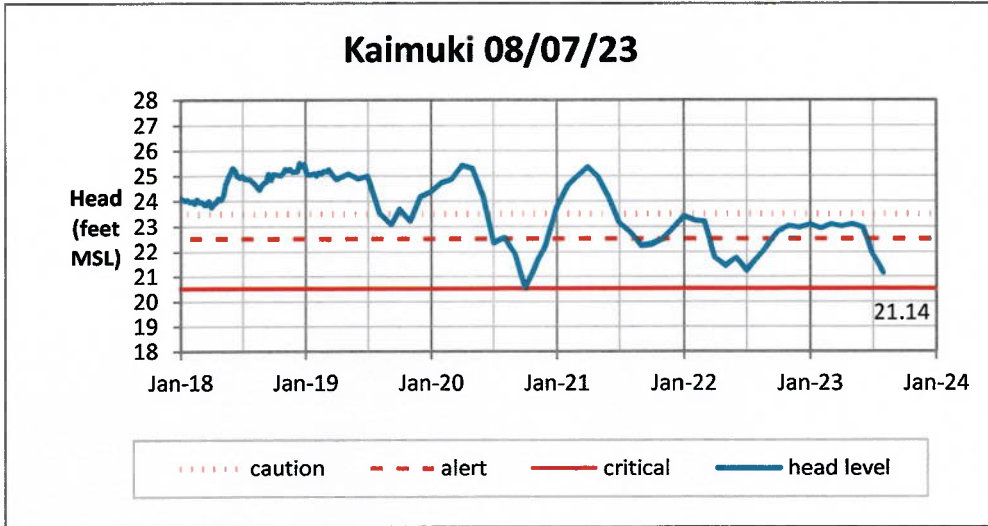
CWRM PERMITTED USE AND BWS ASSESSED YIELDS FOR BWS POTABLE SOURCES				
WATER USE DISTRICTS		A	B	C
		PERMITTED USE/ BWS YLDS	AUG 2022	DIFF. A-B
1	HONOLULU	83.32	64.06	19.26
2	WINDWARD	25.02	18.89	6.13
3	NORTH SHORE	4.70	4.24	0.46
4	MILILANI	7.53	4.95	2.58
5	WAHIAWA	4.27	2.88	1.39
6	PEARL CITY-HALAWA	12.25	9.18	3.07
7	WAIPAHU-EWA	50.63	40.28	10.35
8	WAIANAЕ	4.34	4.31	0.03
TOTAL:		192.06	148.78	43.28

CWRM PERMITTED USE FOR BWS NONPOTABLE SOURCES				
WATER USE DISTRICTS		A	B	C
		PERMITTED USE	AUG 2022	DIFF. A-B
7	WAIPAHU-EWA (BARBERS POINT WELL)	1.00	1.34	-0.34
TOTAL:		1.00	1.34	-0.34

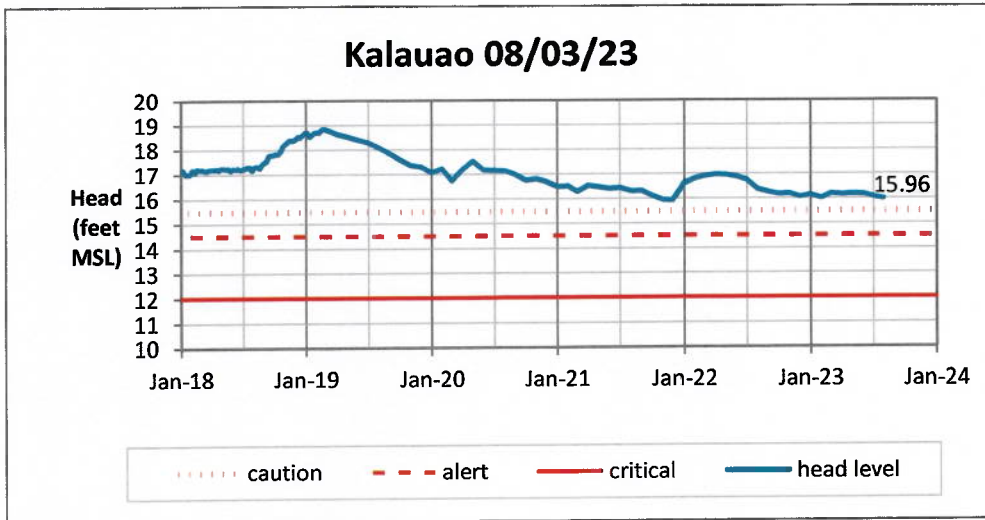
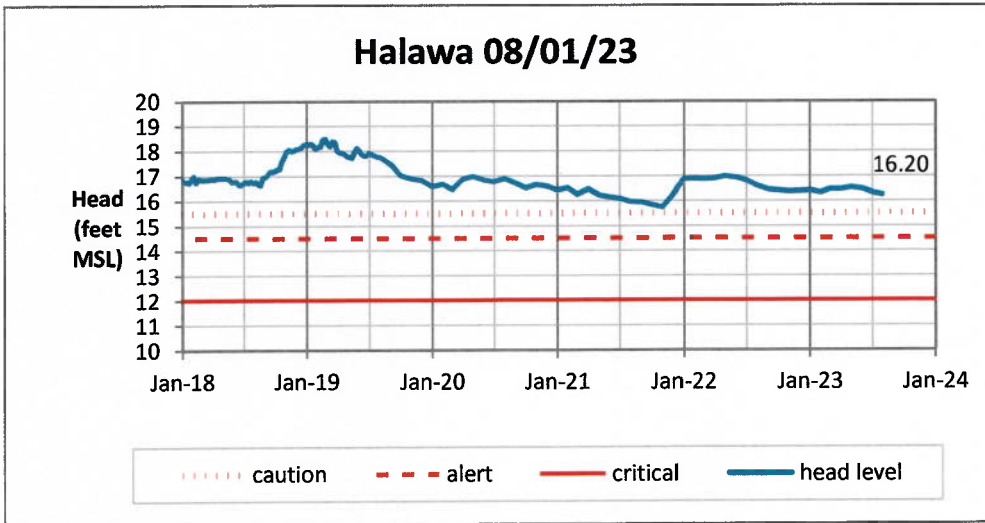
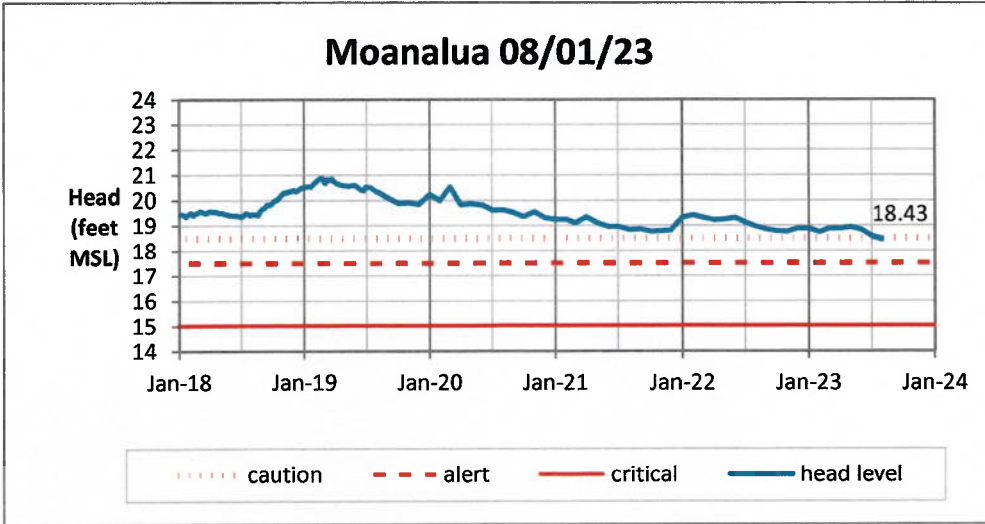
IMPORT/EXPORT BETWEEN WATER USE DISTRICTS			
FROM	TO		MGD
2	1	WINDWARD EXPORT	0.01
7	8	BARBERS PT LB	6.22

WATER USE DISTRICTS		SUBTOTAL	IMPORT	EXPORT	EFFECTIVE WATER DEMAND
1	HONOLULU	64.23	0.01	-	64.24
2	WINDWARD	18.89	-	0.01	18.88
3	NORTH SHORE	4.24	-	-	4.24
4	MILILANI	4.95	-	-	4.95
5	WAHIAWA	2.88	-	-	2.88
6	PEARL CITY-HALAWA	9.18	-	-	9.18
7	WAIPAHU-EWA	40.28	-	6.22	34.06
8	WAIANAЕ	4.31	6.22	-	10.53
TOTAL:		148.95	6.23	6.23	148.95

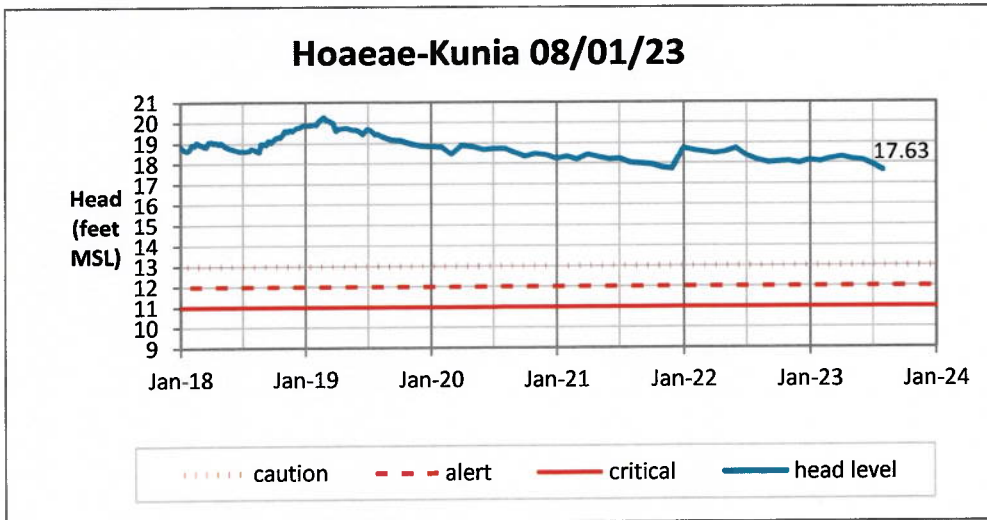
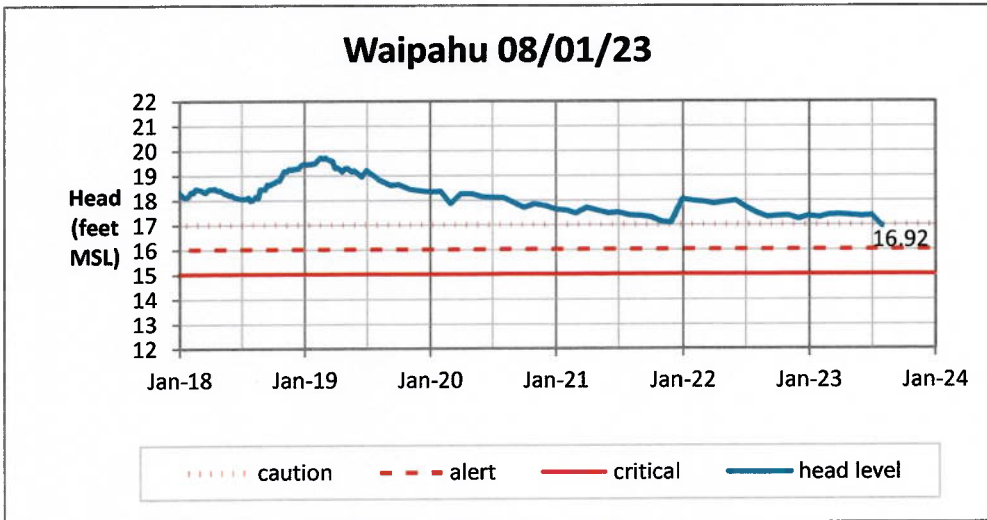
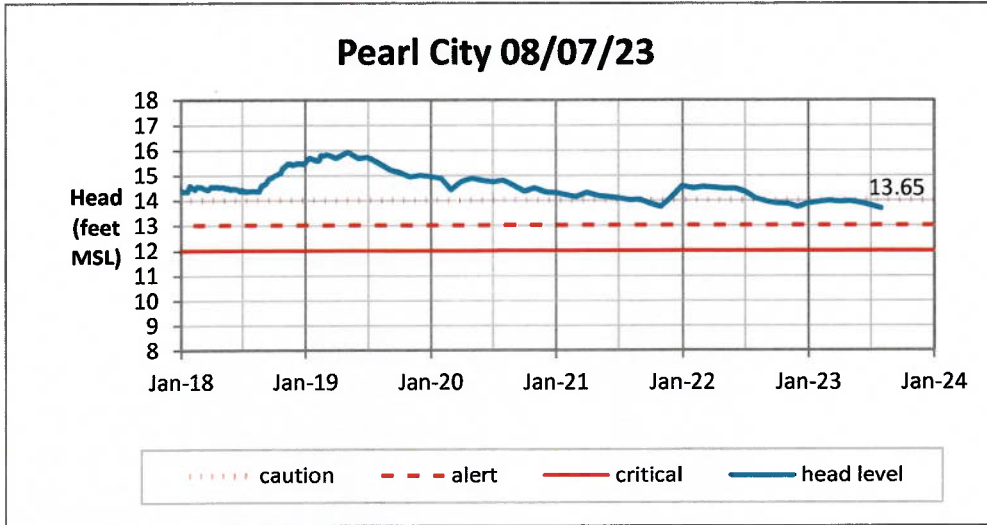
Head Report



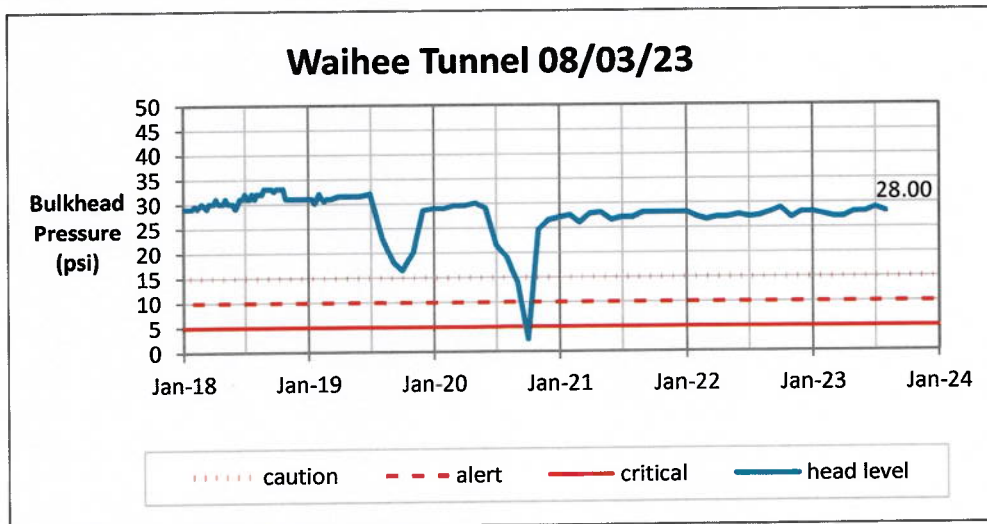
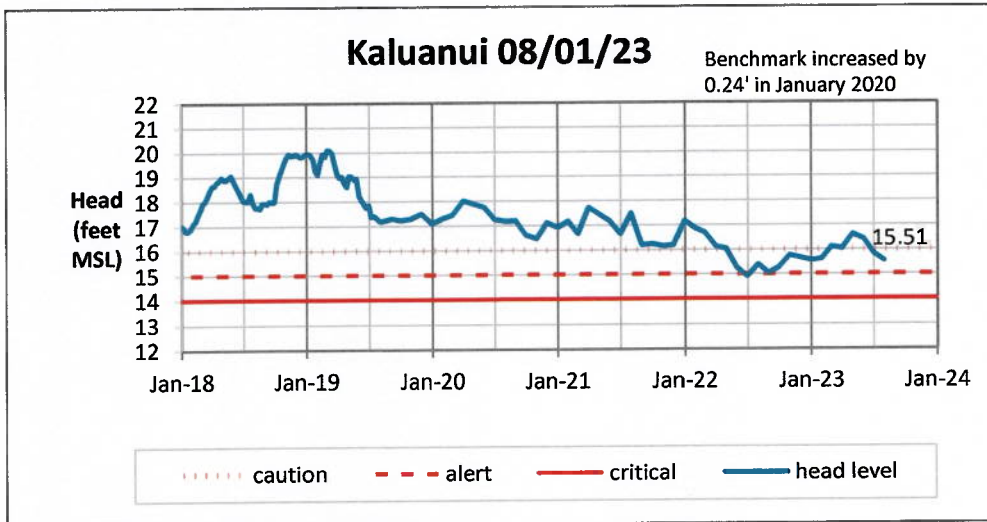
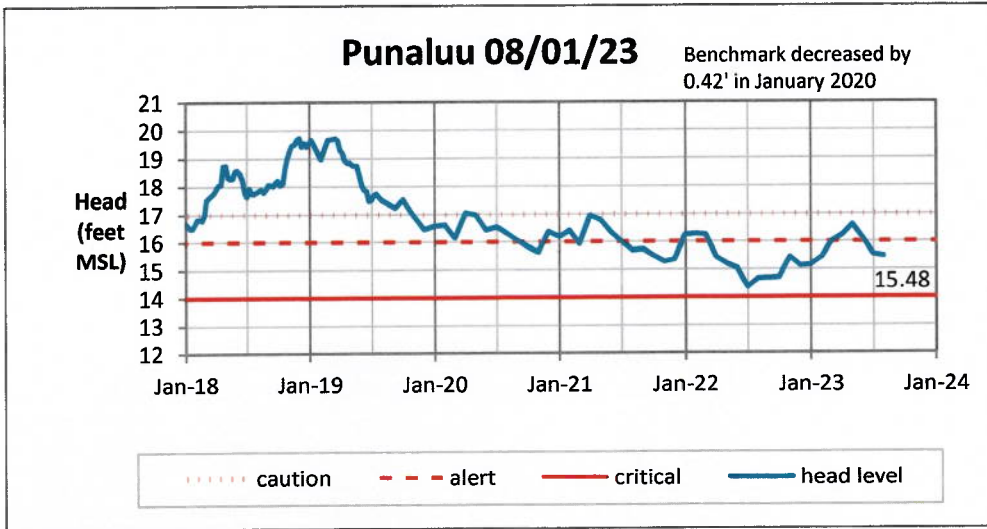
Head Report



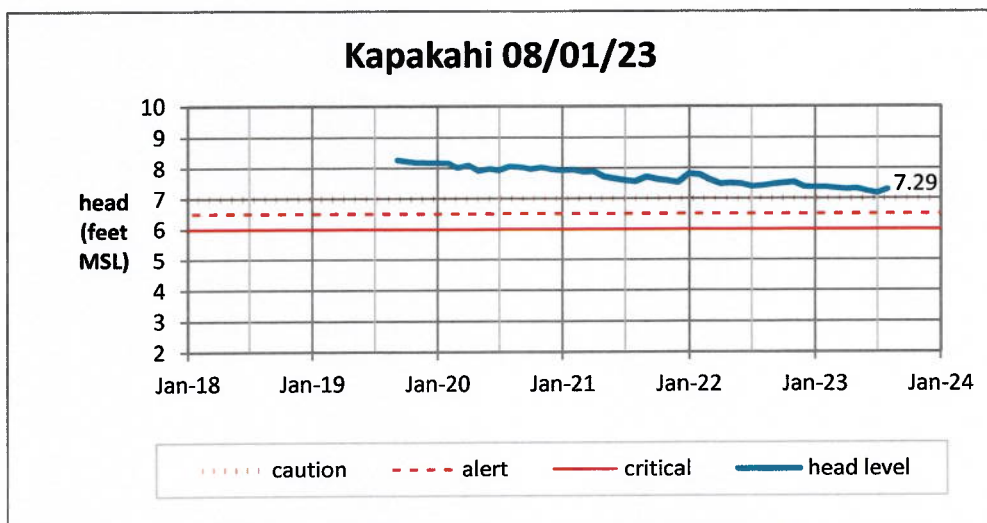
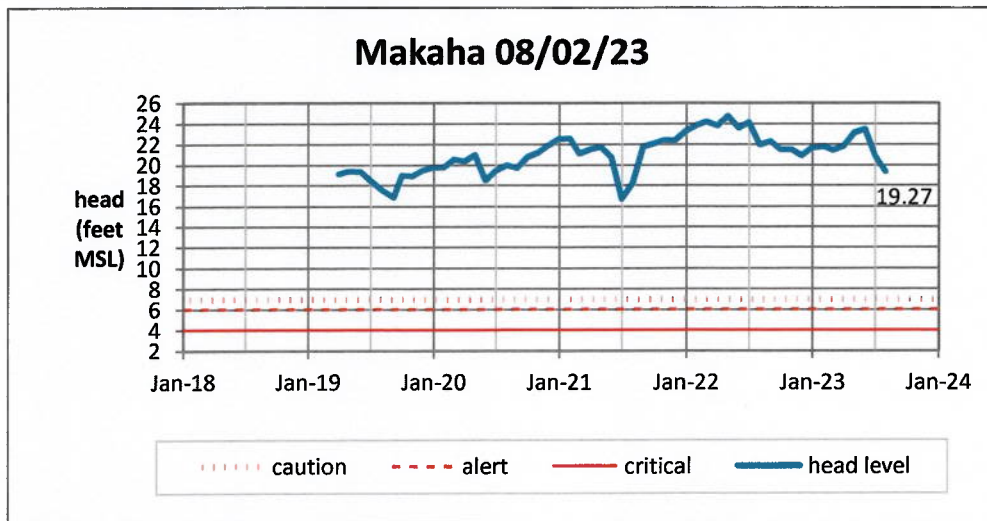
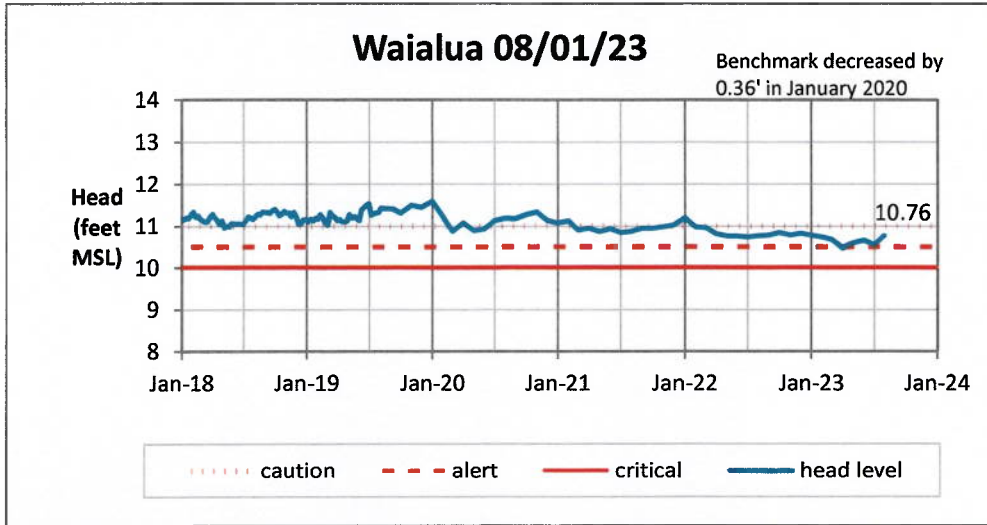
Head Report

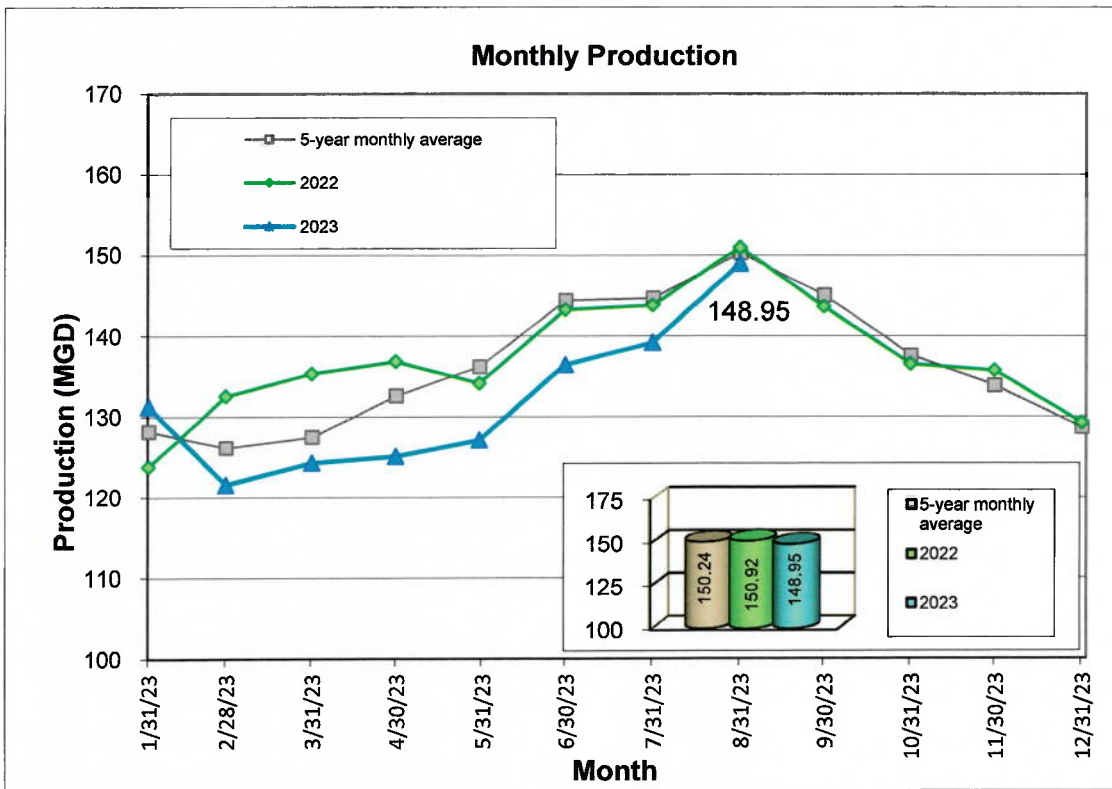
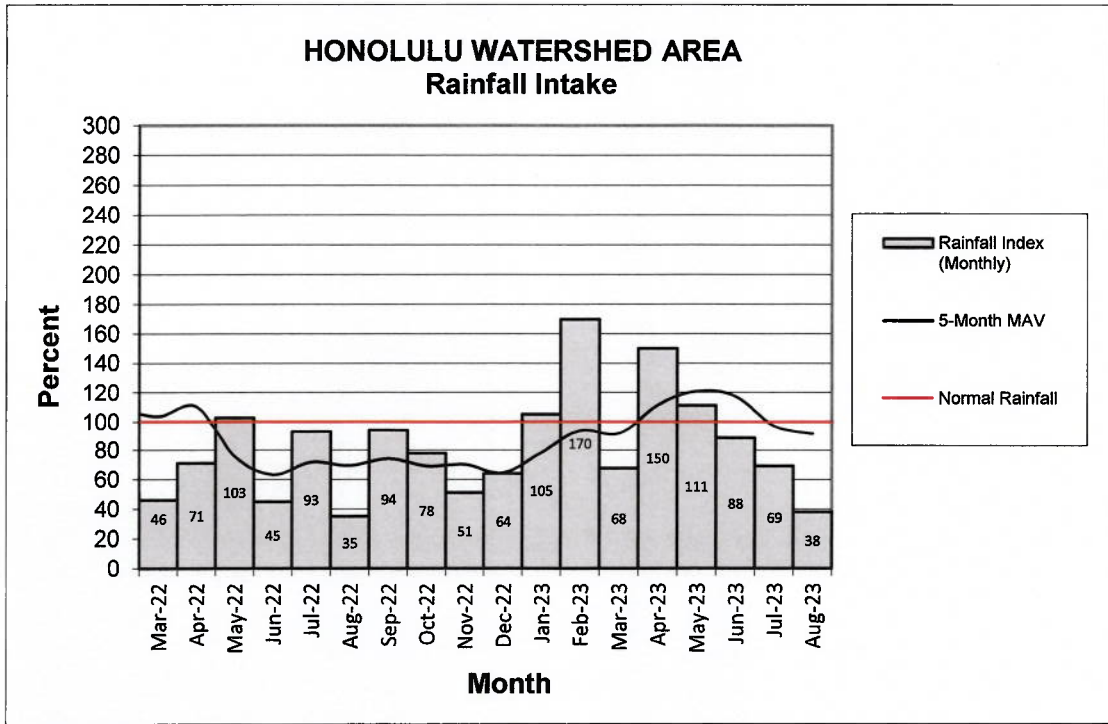


Head Report



Head Report





ITEM FOR INFORMATION NO. 5

"September 25, 2023

WATER MAIN
REPAIR
REPORT FOR
AUGUST 2023

Chair and Members
Board of Water Supply
City and County of Honolulu
Honolulu, Hawaii 96843

Chair and Members:

Subject: Water Main Repair Report for August 2023

Jason Nikaido, Program Administrator, Field Operations Division, will report on water main repair work for the month of August 2023.

Respectfully submitted,

/s/ ERNEST Y. W. LAU, P.E
Manager and Chief Engineer

Attachment"

The foregoing was for information only.

DISCUSSION:

Jason Nikaido, Program Administrator, Field Operations Division, gave the report.

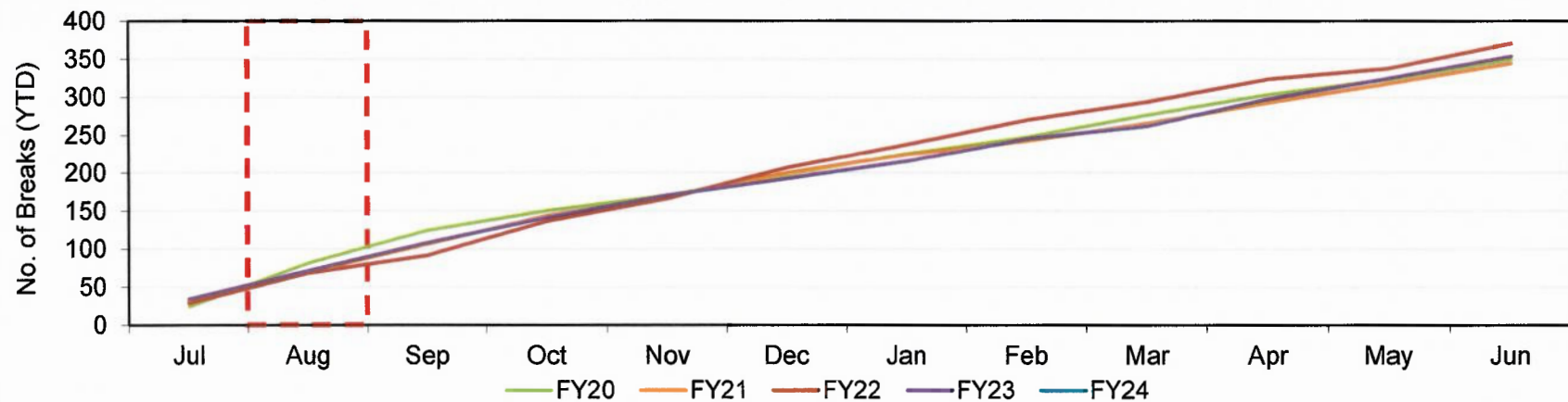
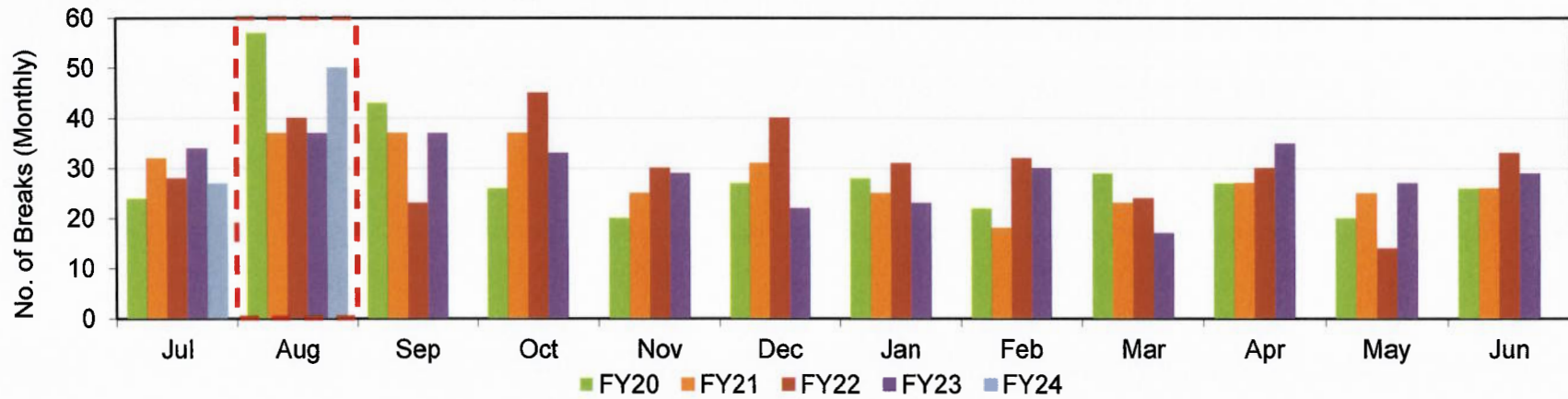
Chair Anthony inquired if the BWS is using a new satellite leak detection dataset.

Mr. Jason Nikaido confirmed that a new satellite leak detection dataset is being used, which is why more leaks are found.

**WATER MAIN REPAIR REPORT
for August 2023**

Monthly Main Breaks

FY	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
2024	27	50											77
2023	34	37	37	33	29	22	23	30	17	35	27	29	353
2022	28	40	23	45	30	40	31	32	24	30	14	33	370
2021	32	37	37	37	25	31	25	18	23	27	25	26	343
2020	24	57	43	26	20	27	28	22	29	27	20	26	349

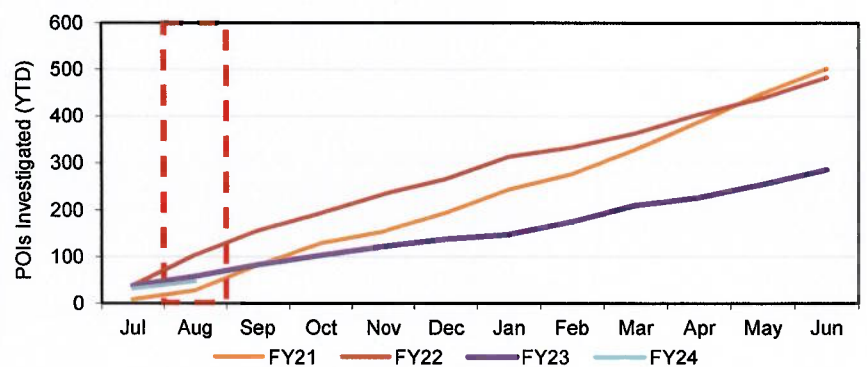
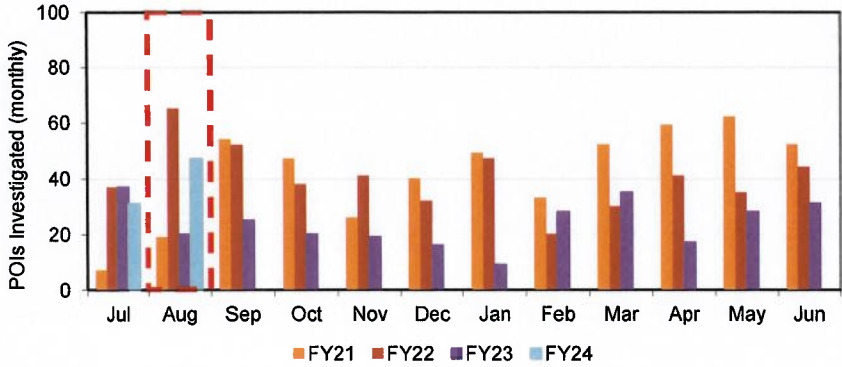


Date	Address	Size (In)	Pipe Type	Date	Address	Size (In)	Pipe Type
8/1/2023	1425 Mamalu St, Honolulu	8	CI	8/16/2023	59 Aikahi Lp, Kailua	12	AC
8/1/2023	2033 Mahao Pl, Honolulu	4	CI	8/18/2023	1250 Auwai Dr, Wahiawa	8	CI
8/1/2023	2089 Hoolaulea St, Pearl City	12	CI	8/18/2023	542 Pokole St, Honolulu	6	CI
8/2/2023	450 Coral St, Honolulu	8	DI	8/19/2023	607 Oneawa St, Kailua	8	CI
8/2/2023	7091 Kamilo St, Honolulu	8	CI	8/19/2023	98-1675 Kaahumanu St, Aiea	12	CI
8/2/2023	275 Kamani St, Honolulu	8	CI	8/19/2023	2691 E. Manoa Rd, Honolulu	8	CI
8/3/2023	450 Coral St, Honolulu	8	DI	8/21/2023	47-191 Waihee Rd, Kaneohe	12	CI
8/6/2023	620 Sheridan St, Honolulu	8	CI	8/21/2023	41-305 Kalaniana'ole Hwy, Waimanalo	30	CC
8/6/2023	85-341 Farrington Hwy, Waianae	16	CC	8/22/2023	1203 Alewa Dr, Honolulu	4	CI
8/7/2023	47-534 Hui Kelu St, Kaneohe	8	DI	8/23/2023	1033 Lunalilo Home Rd, Honolulu	12	CI
8/7/2023	624 Sheridan St, Honolulu	8	CI	8/23/2023	45-522 Paleka Rd, Kaneohe	16	CI
8/8/2023	49-661 Kamehameha Hwy, Kaaawa	6	CI	8/23/2023	1824 Kamehameha Hwy, Honolulu	8	CI
8/8/2023	1334 Dillingham Blvd, Honolulu	12	CI	8/26/2023	3766 Sierra Dr, Honolulu	6	CI
8/8/2023	834 Pohukaina St, Honolulu	8	CI	8/26/2023	3136 Alike Ave, Honolulu	8	PVC
8/9/2023	2333 Hoohoihoi St, Pearl City	8	CI	8/27/2023	94-1137 Lumikula St, Waipahu	8	CI
8/9/2023	1107 Apoepoe Pl, Pearl City	4	CI	8/27/2023	98-1583 Kaahumanu St, Pearl City	12	CI
8/9/2023	46-224 Punawai St, Kaneohe	8	CI	8/28/2023	7146 Makaa St, Honolulu	8	DI
8/9/2023	2379 Hoohoihoi St, Pearl City	8	CI	8/28/2023	89-670 Mokiawe St, Waianae	8	AC
8/9/2023	959 Kailiu Pl, Honolulu	4	CI	8/29/2023	2148 Aumakua St, Pearl City	8	CI
8/10/2023	793 Auloa Rd, Kailua	12	CI	8/31/2023	714 Piikoi St, Honolulu	6	CI
8/10/2023	275 Kamani St, Honolulu	8	CI	8/31/2023	98-1125 Moanalua Rd, Aiea	8	CI
8/12/2023	801 Auloa Rd, Kailua	12	CI				
8/12/2023	46-226 Punawai St, Kaneohe	8	CI				
8/13/2023	98-125 Kihale St, Aiea	8	CI				
8/14/2023	36 Bates St, Honolulu	6	CI				
8/15/2023	707 Wyllie St, Honolulu	8	PVC				
8/15/2023	783 Auloa Rd, Kailua	12	CI				
8/16/2023	1503 Kalauipo St, Pearl City	8	CI				
8/16/2023	1256 10th Ave, Honolulu	12	PVC				

**LEAK DETECTION
for August 2023**

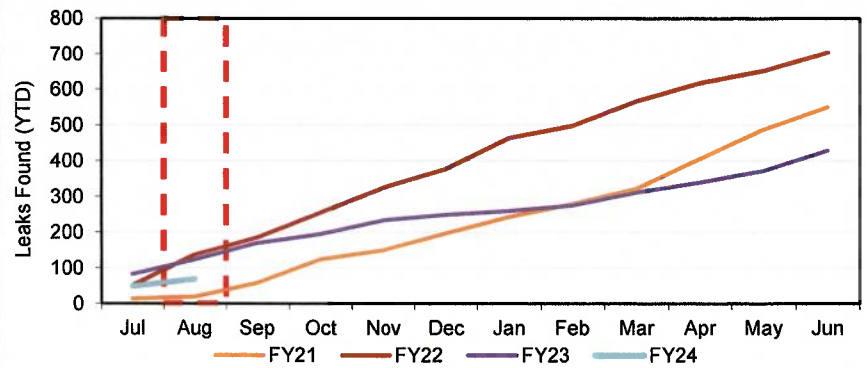
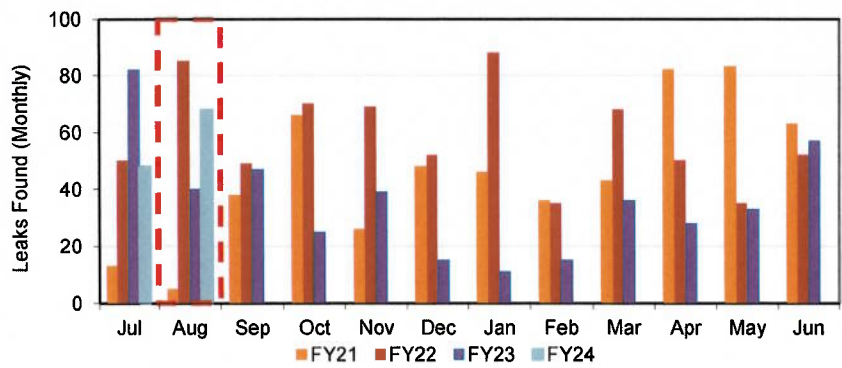
POIs Investigated

FY	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
2024	31	47											78
2023	37	20	25	20	19	16	9	28	35	17	28	31	285
2022	37	65	52	38	41	32	47	20	30	41	35	44	482
2021	7	19	54	47	26	40	49	33	52	59	62	52	500



Leaks Found

FY	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
2024	48	68											116
2023	82	40	47	25	39	15	11	15	36	28	33	57	428
2022	50	85	49	70	69	52	88	35	68	50	35	52	703
2021	13	5	38	66	26	48	46	36	43	82	83	63	549



MOTION TO RECESS INTO EXECUTIVE SESSION

There being no further business, Chair Anthony, at 2:58 PM, called for a motion to adjourn the Open Session. Max Sword so moved; seconded by Jonathan Kaneshiro and unanimously carried.

Upon unanimous approved motion, the Board recessed into Executive Session Pursuant to [HRS § 92-5 (a)(4)] at 2:59 PM to Consider Issues Pertaining to Matters Posted for Discussion at an Executive Session.

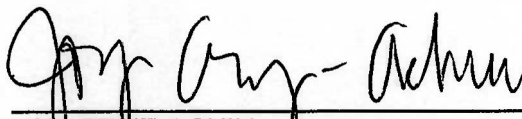
OPEN SESSION

The Board reconvened in Open Session at 4:27 PM.

MOTION TO ADJOURN

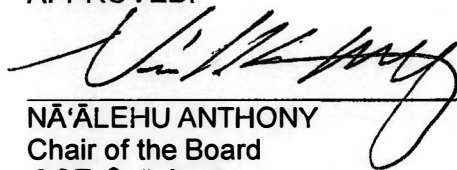
There being no further business, Chair Anthony, at 4:28 PM, called for a motion to adjourn the Regular Session. Max Sword so moved, seconded by Jonathan Kaneshiro, and unanimously carried.

The minutes of the Regular Meeting held on September 25, 2023, are respectfully submitted,



 JOY CRUZ-ACHUI

APPROVED:



NĀ'ĀLEHU ANTHONY
 Chair of the Board

OCT 23 2023

 Date

THE MINUTES OF THE REGULAR MEETING HELD ON SEPTEMBER 25, 2023, WERE APPROVED AT THE OCTOBER 23, 2023, BOARD MEETING			
	AYE	NO	COMMENT
NĀ'ĀLEHU ANTHONY	X		
KAPUA SPROAT	X		
BRYAN P. ANDAYA			ABSENT
JONATHAN KANESHIRO	X		
EDWIN H. SNIFFEN	X		
GENE C. ALBANO			ABSENT